Mr. Davy and Mr. Colton
Student Learning Map
Math- Statistics and Probability

Key Learning: Demonstrate understanding of statistical variability by summarizing and describing distributions.

Unit Essential Question:
In what ways can data be organized, displayed and analyzed?

Concept: Display numerical data	**Concept:** Measures of Center and Variability	**Concept:** Deviation and Distribution
Lesson Essential Question: How can I analyze data using a line or dot plot? How can I analyze data using a histogram? How can I determine which type of graph to use to represent the data collected? How can I determine Q1, Q2, Q3, and Interquartile Range from a set of data? How can specific data points be used to create a box and whisker plot?	**Lesson Essential Question:** Which data points represent measures of center? Which data points represent measures of variability? How can I determine the best measure of center for a set of data? How can I determine the best measure of variability for a set of data? How can I determine the mean absolute deviation for a set of data?	**Lesson Essential Question:** What is an outlier? What is a striking deviation? What is a cluster? How can I relate symmetry of data to the measures of center and variability? How can skewed data affect the measures of center and variability?
Vocabulary: Line Plot, Dot Plot, Histogram, Box and Whisker Plot, Interquartile Range, Quartile, Lower Quartile, Upper Quartile, Median	**Vocabulary:** Median, Mean, Mean Absolute Deviation, Range, Interquartile Range, Measure of Center, Measure of Variability	**Vocabulary:** Outlier, Striking Deviation, Cluster, Symmetry, Skewed